

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (currently amended) A system for providing self-installing
2 software components for network service execution, comprising:
3 ~~an interface to interoperate with a network service component via a~~
4 ~~network service on a service host system;~~
5 ~~a basic communication framework established with the service host~~
6 ~~system to store network service software for a service and to generate a code~~
7 ~~bundle comprising the network service software and installation instructions for~~
8 ~~the network service software; and~~
9 ~~a requesting system to communicate with the service host system through~~
10 ~~a basic communication framework, comprising:~~
11 a checking mechanism to remotely determine availability of the
12 network service software ~~component~~ on the service host system and to verify
13 prerequisites against a runtime environment through the service host system;
14 a helper mechanism to ~~execute a~~ receive the code bundle providing
15 the network service software ~~component~~ for the service through the service host
16 system, ~~wherein the code bundle is logically grouped with installation instructions~~
17 ~~for and to install~~ the network service software ~~component~~; ~~a viral mechanism to~~
18 ~~provide functionality equivalent to the network service independent of the service~~
19 ~~host system and implement the network service software component in the code~~
20 ~~bundle using the installation instructions; and~~
21 a service mechanism to provide a service of equivalent
22 functionality to the service of the service host system to one or more other
23 requesting systems that is independent of the service host system.

- 1 2. (currently amended) A system according to Claim 1, further
2 comprising:

3 a set of standardized method definitions provided through a public
4 interface defined on the network service software ~~component~~.

1 3. (previously presented) A system according to Claim 2, wherein the
2 standardized method definitions are selected from the group comprising at least
3 one of an availability method, environment verification method, code retrieval
4 method, and an update method.

1 4. (currently amended) A system according to Claim 1, wherein the
2 network service software ~~component~~ is updated through the service host system.

1 5. (currently amended) A system according to Claim 1, further
2 comprising:
3 an installation predicate object defined on the service host system to verify
4 that the runtime environment satisfies prerequisites necessary to install and
5 execute the network service software ~~component~~.

1 6. (original) A system according to Claim 5, wherein the installation
2 predicate object is implemented in at least one of mobile code for execution
3 within a managed code platform and in platform-specific native code.

1 7. (currently amended) A system according to Claim 1, further
2 comprising:
3 a helper object defined on the service host system to locate and obtain
4 copies of one or more [[of the]] network service software components necessary
5 to satisfy one or more of the prerequisites.

1 8. (original) A system according to Claim 7, wherein the helper
2 object is implemented in at least one of mobile code for execution within a
3 managed code platform and in platform-specific native code.

1 9. (currently amended) A system according to Claim 1, further
2 comprising:

3 an update object defined on the service host system to identify, retrieve
4 and install any updates to the network service software ~~component~~.

1 10. (original) A system according to Claim 9, wherein the update
2 object is implemented in at least one of mobile code for execution within a
3 managed code platform and in platform-specific native code.

1 11. (canceled).

1 12. (canceled).

1 13. (original) A system according to Claim 1, wherein the basic
2 communication framework comprises a Java operating environment.

1 14. (currently amended) A method for providing self-installing
2 software components for network service execution, comprising:
3 ~~interoperating with a network service software component via a network~~
4 ~~service on a service host system;~~
5 storing network service software for a service on a service host system and
6 generating a code bundle comprising the network service software and installation
7 instructions for the network service software; and
8 establishing a basic communication framework [[with]] between the
9 service host system; system and a requesting system, comprising:
10 remotely determining by the requesting system, availability of the
11 network service software ~~component~~ by the requesting system on the service host
12 system and verifying prerequisites against a runtime environment through the
13 service host system;
14 ~~executing a receiving on the requesting system, the code bundle~~
15 providing the network service software ~~component~~ for the service through the
16 service host system on the requesting system, ~~wherein the code bundle is logically~~
17 ~~grouped with installation instructions for~~ and installing the network service
18 software ~~component; providing functionality equivalent to the network service~~
19 ~~independent of the service host system; and implementing the network service~~

20 ~~software component in the code bundle bundle~~ using the installation instructions;
21 and
22 providing by the requesting system, a service of equivalent
23 functionality to the service of the service host system to one or more other
24 requesting systems that is independent of the service host system.

1 15. (currently amended) A method according to Claim 14, further
2 comprising:
3 specifying a set of standardized method definitions provided through a
4 public interface defined on the network service software ~~component~~.

1 16. (previously presented) A method according to Claim 15, further
2 comprising:
3 defining the standardized method definitions selected from the group
4 comprising at least one of an availability method, environment verification
5 method, code retrieval method, and an update method.

1 17. (currently amended) A method according to Claim 14, further
2 comprising:
3 updating the network service software ~~component~~ through the service host
4 system.

1 18. (currently amended) A method according to Claim 14, further
2 comprising:
3 defining an installation predicate object on the service host system to
4 verify that the runtime environment satisfies the prerequisites necessary to install
5 and execute the network service software ~~component~~.

1 19. (original) A method according to Claim 18, wherein the
2 installation predicate object is implemented in at least one of mobile code for
3 execution within a managed code platform and in platform-specific native code.

1 20. (currently amended) A method according to Claim 14, further
2 comprising:
3 defining a helper object on the service host system to locate and obtain
4 copies of one or more [[of the]] network service software components necessary
5 to satisfy one or more of the prerequisites.

1 21. (original) A method according to Claim 20, wherein the helper
2 object is implemented in at least one of mobile code for execution within a
3 managed code platform and in platform-specific native code.

1 22. (currently amended) A method according to Claim 14, further
2 comprising:
3 defining an update object on the service host system to identify, retrieve
4 and install any updates to the network service software ~~component~~.

1 23. (original) A method according to Claim 22, wherein the update
2 object is implemented in at least one of mobile code for execution within a
3 managed code platform and in platform-specific native code.

1 24. (canceled).

1 25. (canceled).

1 26. (original) A method according to Claim 14, wherein the basic
2 communication framework comprises a Java operating environment.

1 27. (original) A computer-readable storage medium holding code for
2 performing the method according to Claim 14.

1 28. (currently amended) An apparatus for providing self-installing
2 software components for network service execution, comprising:
3 ~~means for interoperating with a network service software component via a~~
4 ~~network service on a service host system;~~

5 means for storing network service software for a service on a service host
6 system and for generating a code bundle comprising the network service software
7 and installation instructions for the network service software; and

8 means for establishing a basic communication framework [[with]]
9 between the service host system; system and a requesting system, comprising:

10 means for remotely determining by the requesting system,
11 availability of the network service software ~~component~~ on the service host system
12 and for verifying prerequisites against a runtime environment through the service
13 host system;

14 means for ~~executing a~~ receiving on the requesting system, the code
15 bundle providing the network service software ~~component~~ for the service through
16 the service host system; ~~wherein the code bundle is logically grouped with~~
17 ~~installation instructions for~~ and for installing the network service software
18 ~~component; means for providing functionality equivalent to the network service~~
19 ~~independent of the service host system; and means for implementing the network~~
20 ~~service software component in the code bundle bundle~~ using the installation
21 instructions; and

22 means for providing by the requesting system, a service of
23 equivalent functionality to the service of the service host system to one or more
24 other requesting systems that is independent of the service host system.